EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	627	705/67.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/04 16:38
L3	0	l2 and document near10 process$4 near10 server and sender and receiver and (verif$4 or validat$4 or authenticat$4) and anonymous and public adj key	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/04 16:45
L4	0	l2 and document near10 process$4 near10 server and sender and receiver and (verif$4 or validat$4 or authenticat$4) and public adj key	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/04 16:45
L5	0	l2 and (document near10 process$4 near10 server) and sender$1 and receiver$1 and (verif$4 or validat$4 or authenticat$4) and public adj key	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/04 16:46
L6	7487	(proxy or server or agent or intermed$4) with authenticat$4 sender with receiver$1 with document with process$4	USPAT	OR	OFF	2007/12/04 16:47
L7	7468	(proxy or server or agent or intermed$4) with authenticat$4 sender with receiver$1 with document with process$4 with server	USPAT	OR	OFF	2007/12/04 16:48
L8	7467	(proxy or server or agent or intermed$4) with authenticat$4 sender with receiver$1 with document with process$4 with server and anonymous	USPAT	OR	OFF	2007/12/04 16:48
L9	40823	(proxy or server or agent or intermed$4) with authenticat$4 sender with receiver$1 with document with process$4 with server and anonymous	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/04 16:48

L10	0	(proxy or server or agent or intermed$4) with authenticat$4 with sender with receiver$1 with document with process$4 with server and anonymous	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/04 16:49
L11	12	(proxy or server or agent or intermed$4) and authenticat$4 with sender and receiver$1 and document with process$4 with server and anonymous	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/04 16:49
S29	525	73/165,167.ccls.	USPAT	OR	OFF	2007/12/04 14:56
S30	850	73/165,167.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/04 14:56
S31	0	S30 and (document near4 processing near4 server) and (verif$5 or authenticat$5 or validat$4) and (send$4 and receiv$5) and public adj key$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/04 14:58
S32	9	document near10 process$4 near10 server with encrypt$4 with send$5 and receiv$5 and (verif$5 or authenticat$5 or validat$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/04 16:38

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1357	380/30.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/12/04 18:55
L2	681	713/165,167.ccls.	USPAT	OR	OFF	2007/12/04 18:58
L3	1087	713/165,167.ccls.	US-PGPUB; USPAT	OR	OFF	2007/12/04 18:58
L4	154	l3 and (proxy or server or agent or intermed$4) with authenticat$4 sender with receiver$1 with document with process$4	USPAT	OR	OFF	2007/12/04 18:59
L5	74	l4 and public adj key	USPAT	OR	OFF	2007/12/04 19:00
L6	0	l4 and public adj key and document adj processing adj server	USPAT	OR	OFF	2007/12/04 19:00
L7	1	l4 and public adj key and document adj processing	USPAT	OR	OFF	2007/12/04 19:01
L8	7	(l1 or l3)and document adj processing	USPAT	OR	OFF	2007/12/04 19:02
L9	1	(l1 or l3)and document adj processing and (encrypt$4 or encipher$4 or encod$4) and sender and receiver	USPAT	OR	OFF	2007/12/04 19:02
L10	1	(l1 or l3) and document adj processing and (encrypt$4 or encipher$4 or encod$4) and sender and receiver	USPAT	OR	OFF	2007/12/04 19:03
L11	0	(l1 or l3) and document adj processing near10 (verif$4 or authenticat$4 or validat$4) with (sender and receiver) and public adj key	USPAT	OR	OFF	2007/12/04 19:04

Published before January 2001
Terms used:
document **processing** **server** and **authenticate** or **verify** or **validate** and **sender** and **receiver** and **public** **key**

Sort results by [relevance ▼]

Display results [expanded form ▼]

x   x Save to Binder

Save results

to a Binder

x

Search Tips

☐ Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 20 of 25   Result page: **1**   2   next

Relevance scale ▯

1   A security architecture for fault-tolerant systems

x Michael K. Reiter, Kenneth P. Birman, Robbert van Renesse
November 1994 **ACM Transactions on Computer Systems (TOCS)**, Volume 12 Issue 4
Publisher: ACM Press

Full text available: · pdf(2.50 MB)

Additional Information: full citation, abstract, references, citings, index terms
review

Process groups are a common abstraction for fault-tolerant computing in distributed systems. We present a security architecture that extends the process group into a security abstraction. Integral par this architecture are services that securely and fault tolerantly support cryptographic key distribution Using replication only when necessary, and introducing novel replication techniques when it was necessary, we have constructed these services both to be easily defensible against atta ...

Keywords: key distribution, multicast, process groups

2   Authentication in the Taos operating system

x Edward Wobber, Martín Abadi, Michael Burrows, Butler Lampson
February 1994 **ACM Transactions on Computer Systems (TOCS)**, Volume 12 Issue 1
Publisher: ACM Press

Full text available: · pdf(1.88 MB)

Additional Information: full citation, abstract, references, citings, index terms
review

We describe a design for security in a distributed system and its implementation. In our design, applications gain access to security services through a narrow interface. This interface provides a nc of identity that includes simple principals, groups, roles, and delegations. A new operating system component manages principals, credentials, and secure channels. It checks credentials according to formal rules of a logic of authentication. Our implementation is efficient enough to sup ...

Keywords: cryptography, mathematical logic

3

Cryptography and data security

Dorothy Elizabeth Robling Denning

January 1982 Book

Publisher: Addison-Wesley Longman Publishing Co., Inc.

Full text available: [·] pdf(19.47 MB)   Additional Information: full citation, abstract, references, cited by, index term

From the Preface (See Front Matter for full Preface)

Electronic computers have evolved from exiguous experimental enterprises in the 1940s to prolific practical data processing systems in the 1980s. As we have come to rely on these systems to process store data, we have also come to wonder about their ability to protect valuable data.

Data security is the science and study of methods of protecting data in computer and communication systems from unauthorized disclosure ...

4   The transport layer: tutorial and survey

Sami Iren, Paul D. Amer, Phillip T. Conrad

December 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 4

Publisher: ACM Press

Full text available: [·] pdf(261.78 KB)   Additional Information: full citation, abstract, references, citings, index terms

Transport layer protocols provide for end-to-end communication between two or more hosts. This p presents a tutorial on transport layer concepts and terminology, and a survey of transport layer servi and protocols. The transport layer protocol TCP is used as a reference point, and compared and contrasted with nineteen other protocols designed over the past two decades. The service and protoc features of twelve of the most important protocols are summarized in both text and tables.< ...

Keywords: TCP/IP networks, congestion control, flow control, transport protocol, transport service

5   An architecture for a secure service discovery service

Steven E. Czerwinski, Ben Y. Zhao, Todd D. Hodes, Anthony D. Joseph, Randy H. Katz

August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking MobiCom '99**

Publisher: ACM Press

Full text available: [·] pdf(1.47 MB)   Additional Information: full citation, references, citings, index terms

6   Programming languages for mobile code

Tommy Thorn

September 1997 **ACM Computing Surveys (CSUR)**, Volume 29 Issue 3

Publisher: ACM Press

Full text available: [·] pdf(393.65 KB)   Additional Information: full citation, abstract, references, citings, index terms review

Sun's announcement of the programming language Java more that anything popularized the notion mobile code, that is, programs traveling on a heterogeneous network and automatically executing u arrival at the destination. We describe several classes of mobile code and extract their common characteristics, where security proves to be one of the major concerns. With these characteristics as reference points, we examine six representative languages proposed for mobile code. The conclusio

Keywords: Java, Limbo, Objective Caml, Obliq, Safe-Tcl, distribution, formal methods, mobile co

network programming, object orientation, portability, safety, security, telescript

7 Office Information Systems and Computer Science

Clarence A. Ellis, Gary J. Nutt

March 1980 **ACM Computing Surveys (CSUR)**, Volume 12 Issue 1

Publisher: ACM Press

Full text available: pdf(2.87 MB)   Additional Information: full citation, references, citings, index terms

8 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97**

Publisher: IBM Press

Full text available: pdf(4.21 MB)   Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on proces time diagrams are often used to obtain a better understanding of the execution of the application. Th visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

9 Columns: Risks to the public in computers and related systems

Peter G. Neumann

January 2001 **ACM SIGSOFT Software Engineering Notes**, Volume 26 Issue 1

Publisher: ACM Press

Full text available: pdf(3.24 MB)   Additional Information: full citation

10 FIRE: flexible Intra-AS routing environment

Craig Partridge, Alex C. Snoeren, W. Timothy Strayer, Beverly Schwartz, Matthew Condell, Isidro Castiñeyra

August 2000 **ACM SIGCOMM Computer Communication Review , Proceedings of the confere on Applications, Technologies, Architectures, and Protocols for Computer Communication SIGCOMM '00**, Volume 30 Issue 4

Publisher: ACM Press

Full text available: pdf(107.75 KB)   Additional Information: full citation, abstract, references, citings, index terms

Current routing protocols are monolithic, specifying the algorithm used to construct forwarding tabl the metric used by the algorithm (generally some form of hop-count), and the protocol used to distri these metrics as an integrated package. The Flexible Intra-AS Routing Environment (FIRE) is a link state, intra-domain routing protocol that decouples these components. FIRE supports run-time-pro-grammable algorithms and metrics over a secure link-state distribution protocol. By allow ...

11 Strategic directions in electronic commerce and digital libraries: towards a digital agora

Nabil Adam, Yelena Yesha

December 1996 **ACM Computing Surveys (CSUR)**, Volume 28 Issue 4

**Publisher:** ACM Press

Full text available: pdf(244.34 KB)   Additional Information: full citation, references, citings, index terms

12 Model checking software systems: a case study

> Jeannette M. Wing, Mandana Vaziri-Farahani
> October 1995 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 3rd ACM**
> **SIGSOFT symposium on Foundations of software engineering SIGSOFT '95**, Volur
> Issue 4

Publisher: ACM Press

Full text available: ⌐ .pdf(1.14 MB)   Additional Information: full citation, references, citings, index terms

Keywords: abstraction mappings, cache coherence protocols, distributed systems, finite state machi model checking, verification

13 Authentication services for computer networks and electronic messaging systems

> Keok Auyong, Chye-Lin Chee
> July 1997 **ACM SIGOPS Operating Systems Review**, Volume 31 Issue 3

Publisher: ACM Press

Full text available: ⌐ .pdf(1.03 MB)   Additional Information: full citation, abstract, index terms

The paper surveys the authentication services used by modern computer systems and presents the m operational authentication services employed by commercial companies, banking as well as governi departments. As distributed system services are susceptible to a variety of threats mounted by intruc as well as legitimate users of the system, password-based authentication is not suitable for use on computer networks.

14 Security problems in the TCP/IP protocol suite

> S. M. Bellovin
> April 1989 **ACM SIGCOMM Computer Communication Review**, Volume 19 Issue 2

Publisher: ACM Press

Full text available: ⌐ .pdf(2.72 MB)   Additional Information: full citation, abstract, citings, index terms

The TCP/IP protocol suite, which is very widely used today, was developed under the sponsorship (
Department of Defense. Despite that, there are a number of serious security flaws inherent in the
protocols, regardless of the correctness of any implementations. We describe a variety of attacks ba:
on these flaws, including sequence number spoofing, routing attacks, source address spoofing, and
authentication attacks. We also present defenses against these attacks, and conclude with a discu ...

**15** Iolus: a framework for scalable secure multicasting

> Suvo Mittra
> October 1997 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM**
> **SIGCOMM '97 conference on Applications, technologies, architectures, and prot**
> **for computer communication SIGCOMM '97**, Volume 27 Issue 4

Publisher: ACM Press

Full text available: ⌐ .pdf(1.70 MB)   Additional Information: full citation, abstract, references, citings, index terms

As multicast applications are deployed for mainstream use, the need to secure multicast communica
will become critical. Multicast, however, does not fit the point-to-point model of most network secu
protocols which were designed with unicast communications in mind. As we will show, securing
multicast (or group) communications is fundamentally different from securing unicast (or paired)
communications. In turn, these differences can result in scalability problems for many typical applic

16 Session summaries from the 17th symposium on operating systems principle (SOSP'99)

Jay Lepreau, Eric Eide

April 2000 **ACM SIGOPS Operating Systems Review**, Volume 34 Issue 2

Publisher: ACM Press

Full text available: pdf(3.15 MB)   Additional Information: full citation, index terms

17 Server-assisted cryptography

Donald Beaver

January 1998 **Proceedings of the 1998 workshop on New security paradigms NSPW '98**

Publisher: ACM Press

Full text available: pdf(1.13 MB)   Additional Information: full citation, references, citings, index terms

18 Mobile networking in the Internet

Charles E. Perkins

December 1998 **Mobile Networks and Applications**, Volume 3 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: pdf(166.90 KB)   Additional Information: full citation, abstract, references, cited by, index term

Computers capable of attaching to the Internet from many places are likely to grow in popularity un
they dominate the population of the Internet. Consequently, protocol research has shifted into high ξ
to develop appropriate network protocols for supporting mobility. This introductory article attempts
outline some of the many promising and interesting research directions. The papers in this special is
indicate the diversity of viewpoints within the research community, and it is ...

19 Andrew: a distributed personal computing environment

James H. Morris, Mahadev Satyanarayanan, Michael H. Conner, John H. Howard, David S. Rosentl
F. Donelson Smith

March 1986 **Communications of the ACM**, Volume 29 Issue 3

Publisher: ACM Press

Full text available: pdf(2.16 MB)   Additional Information: full citation, abstract, references, citings, index terms
review

The Information Technology Center (ITC), a collaborative effort between IBM and Carnegie-Mello
University, is in the process of creating Andrew, a prototype computing and communication system
universities. This article traces the origins of Andrew, discusses its goals and strategies, and gives a
overview of the current status of its implementation and usage.

20 Security engineering in an evolutionary acquisition environment

Marshall D. Abrams

January 1998 **Proceedings of the 1998 workshop on New security paradigms NSPW '98**

Publisher: ACM Press

Full text available: pdf(729.98 KB)   Additional Information: full citation, references, citings, index terms

Results 1 - 20 of 25   Result page: **1** 2 next

Terms of Usage   Privacy Policy   Code of Ethics   Contact Us

Useful downloads: ☐ Adobe Acrobat   ☐ QuickTime   ☐ Windows Media Player   ☐ Real Player

P⊘RTAL
USPTO

THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction sur

Published before January 2001
Terms used:
document **processing** **server** and **authenticate** or **verify** or **validate** and **sender** and **receiver** and **public** **key** 1

Sort results by |relevance ▾| ♥ Save results to a Binder   Try an Advanced Search
                                        ▣ Search Tips   Try this search in The ACM Guide
Display results |expanded form ▾|
                                        ☐ Open results in a new window

Results 21 - 25 of 25   Result page: previous 1 **2**

Relevance scale ☐ ☐

21 Atomicity in electronic commerce
J. D. Tygar
May 1998 **netWorker**, Volume 2 Issue 2
Publisher: ACM Press
Full text available: 📄 pdf(225.48 KB) Additional Information: full citation, references, citings, index terms

22 A distributed system security architecture: applying the transport layer security protocol
Mohammad Mirhakkak
October 1993 **ACM SIGCOMM Computer Communication Review**, Volume 23 Issue 5
Publisher: ACM Press
Full text available: 📄 pdf(892.06 KB)   Additional Information: full citation, abstract, index terms

A great deal of attention has been given to the development of Open Systems Interconnection
(OSI) security protocols in recent years. However, limited work has been dedicated to using the
protocols to develop security architectures for securing distributed systems consisting of trustec
computer systems communicating via untrusted networks. This paper presents an overview of t
Transport Layer Security Protocol (TLSP) and discusses its application to the development of a
security architecture ...

23 Security in mobile agent system: problems and approaches
Yang Kun, Guo Xin, Liu Dayou
January 2000 **ACM SIGOPS Operating Systems Review**, Volume 34 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(554.66 KB)   Additional Information: full citation, abstract, references, citings

Despite its many practical benefits, mobile agent technology results in significant new security
threats from both malicious agents and hosts. This paper investigates the problems and
approaches of mobile agent system, which shows that bi-directional and layered security model
may be a good idea to resolve the security problems in mobile agent systems. Other topics abo
mobile agent security, such as constrained execution and virus detection, are also discussed.

Keywords: bi-directional security mechanism, layered security mechanism, mobile agents,
security

24 Cryptography on the Internet

Jeff Zadeh

April 1999 **Proceedings of the 37th annual Southeast regional conference (CD-ROM) ACM-SE 37**

Publisher: ACM Press

Full text available: pdf(26.43 KB)   Additional Information: full citation, index terms

25 Mitigating routing misbehavior in mobile ad hoc networks

Sergio Marti, T. J. Giuli, Kevin Lai, Mary Baker

August 2000 **Proceedings of the 6th annual international conference on Mobile computing and networking MobiCom '00**

Publisher: ACM Press

Full text available: pdf(1.05 MB)   Additional Information: full citation, abstract, references, citings, index terms

This paper describes two techniques that improve throughput in an ad hoc network in the presence of nodes that agree to forward packets but fail to do so. To mitigate this problem, we propose categorizing nodes based upon their dynamically measured behavior. We use a watchd that identifies misbehaving nodes and a pathrater that helps routing protocols avoid these node Through simulation we evaluate watchdog and pathrater using packet throughput, percent ...

Results 21 - 25 of 25   Result page: previous 1 **2**

Google

| "document processing server" and "authentica | Search | Advanced Search
Preferences |

The **"AND"** operator is unnecessary -- we include all search terms by default. [details]

Web

Tip: Save time by hitting the return key instead of clicking on "search"

Your search - **"document processing server" and "authenticate or validate or verify" and encrypt and (public key) and sender and receiver** - did not match any documents.

Suggestions:

- Make sure all words are spelled correctly.
- Try different keywords.
- Try more general keywords.
- Try fewer keywords.

©2007 Google - Google Home - Advertising Programs - Business Solutions - About Google

Google

"document processing server" and proxy and ɛ   [Search]

The **"AND"** operator is unnecessary -- we include all search terms by default. [details]

Web

Your search - **"document processing server" and proxy
and authentication and senders and receivers** - did not
match any documents.

Suggestions:

- Make sure all words are spelled correctly.
- Try different keywords.
- Try more general keywords.
- Try fewer keywords.

©2007 Google - Google Home - Advertising Programs - Business Solutions - About Google